

Chapter 6 Preview
Graphing Functions
Integrated Math 2

Name _____

Date _____

Definitions: Define the following terms.

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|--------------------------------|------------------------------|
| 1. Coordinate Plane | 17. Closed Half-plane |
| 2. Quadrants | 18. Test Point |
| 3. x -axis | 19. Function |
| 4. y -axis | 20. Function Notation |
| 5. Ordered Pairs | 21. Domain |
| 6. Origin | 22. Range |
| 7. Slope | 23. Continuous |
| 8. Linear Equation | 24. Linear Function |
| 9. y -intercept | 25. Vertical Line Test |
| 10. Slope-intercept Form | 26. Quadratic Function |
| 11. Point-slope Form | 27. Direct Variation |
| 12. Open Half-plane | 28. Constant of Variation |
| 13. Boundary | 29. Direct Square Variation |
| 14. Linear Inequality | 30. Inverse Variation |
| 15. Solution to the Inequality | 31. Inverse Square Variation |
| 16. Graph of an Inequality | |

Objectives: You *should* be able to do the following:

1. Use the distance formula to find the distance between two points
2. Use the midpoint formula
3. Find the slope of a line
4. Identify horizontal and vertical lines
5. Write equations of lines using slope, intercepts, and points
6. Graph a line given the equation
7. Write linear inequalities in two variables
8. Graph linear inequalities in two variables on the coordinate plane
9. Graph linear functions
10. Identify the domain and range of a function
11. Identify points given the graph of a quadratic function
12. Graph simple quadratic functions
13. Find patterns when given a function
14. Find the function when given a pattern
15. Solve problems involving direct variation and direct square variation
16. Solve problems involving inverse variation and inverse square variation

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for the test. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks on the test. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

Check the class wiki for wiki summary assignments.